

**Request to Archive
With The National Centers for Environmental Information
For Oregon Crest-to-Coast Environmental Monitoring Transect
Provided by US EPA**

2013-12-06

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

US EPA

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

We have been monitoring above- and belowground climate data from 22 locations along an Oregon Cascade Mountain Crest-to-Coast transect since 1995. The start date for the sites varied over a several year period. The monitoring sites were located in old-growth and non old-growth coniferous forests (douglas fir, sitka spruce, alder, juniper, ponderosa pine), adjacent clear-cuts, and top of canopy locations. The following variables have been measured every 5-minutes with hourly averages/totals computed for each location: air temperature, relative humidity, rainfall, Photosynthetically Active Radiation (PAR), soil temperature (multiple depths), snow depth (where applicable) and volumetric soil moisture (multiple depths). In addition, wind speed, wind direction, shortwave radiation, and barometric pressure were measured at numerous field site locations.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1995
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

n/a

6. Describe the level to which the data are processed. For example, are these unprocessed raw observations, derived parameters, quality controlled or inter-calibrated data, etc.?

The data as provided will be unprocessed raw observations. However, we have extensive calibration records for all sensors that will be provided as metadata so that researchers can best determine for their research how to fill missing observations or adjust data based on calibration results. We have maintained throughout our measurement history rigorous calibration standards ensuring that all aboveground sensors are calibrated according to manufacture recommendations and include "as received" and final calibration results.

7. Approximate date when the dataset was or will be released to the public:

2014

8. Who are the expected users of the archived data? How will the archived data be used?

Scientific community

9. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

EPA is required to complete periodic Peer Reviews of all research activities. The various research projects that supported this climate data collection effort have all been Peer Reviewed. The climate data collection effort has been Peer Reviewed at least 7 times since its inception

10. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

None

11. List the input datasets and ancillary information used to produce the data.

Not applicable

12. List web pages and other links that provide information on the data.

The metadata will follow whatever standard is required by NCDC

13. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. Will be provided as metadata.

14. Indicate the data file format(s).

1. CSV

15. Are the data files compressed?

No

16. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

SiteID_yyyymmdd.zip

17. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Can send data file examples at later date.

18. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 1GB

Number of Data Files: 30

19. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

We will update climate data annually.

20. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Don't know how to answer
System Name: Don't know how to answer
System Owner: Don't know how to answer
Additional Information: Don't know how to answer

21. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PUSH
2. Physical Media Delivery

22. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Unknown

23. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

Constraint Type	Description
Use	User accepts data as is, acknowledges EPA providing data, and contacts EPA for advanced analyses involving possible collaboration

24. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

EPA wants to ensure that this very large dataset is available to the scientific community. The risk of not archiving the data is that it will continue to be underutilized by scientists.

25. Are the data archived at another facility or are there plans to do so? Please explain.

No

26. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

27. Do you have a data management plan for your data?

No

28. Have funds been allocated to archive the data at NCEI?

No

29. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

30. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2020

Accessible by:

31. Add any other pertinent information for this request.

I would love to discuss our interest in archiving our data with you so that I can better understand if it is possible, and if so, how do I best provide you with the information you need in the easiest to use format.